

PATENT ABSTRACTS OF JAPAN

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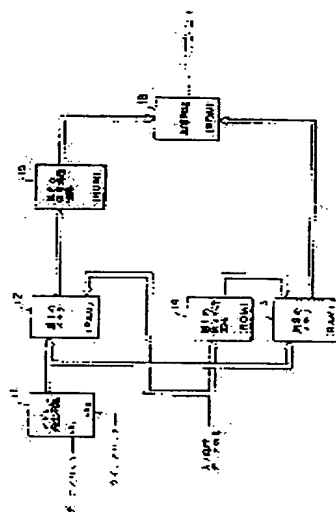
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(54) THERMAL HEAD HEAT ACCUMULATION CORRECTION CIRCUIT

(57) Abstract:

PURPOSE: To accurately apply a thermal head heat accumulation correction so that printing can be correctly performed with a predetermined printing density as indicated by input printing data by mounting a data correction circuit issuing a correction output to an input printing data signal on the basis of a heat accumulation distribution state calculated by a heat accumulation distribution calculation circuit.

CONSTITUTION: A data correction circuit conducts a heat accumulation correction in a main scanning direction on the basis of a heat accumulation distribution state of a thermal head in the main scanning direction as an output of an addition circuit 18 using a predetermined correction factor (e.g. the heat accumulation distribution state of the thermal head in the main scanning direction is multiplied by the predetermined correction factor for conducting the heat accumulation correction in the main scanning direction to an input printing data signal), furthermore performing the heat accumulation correction of the thermal head in a conventional printing direction (a sub scanning direction). The data correction circuit issues heat accumulation outputs (corrected input printing data signals) to the input printing data signal in the main scanning direction and the sub scanning direction (printing direction) of the thermal head. The corrected input printing data signals are supplied to the thermal head (heating elements thereof), whereby printing is correctly applied on a printing surface with a predetermined printing density indicated by original input printing data.



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